```
L1      STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1              STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.


=> s l1
SAMPLE SEARCH INITIATED 15:08:04 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -        3 TO ITERATE

100.0% PROCESSED        3 ITERATIONS                                3 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:            3 TO      163
PROJECTED ANSWERS:               3 TO      163

L2            3 SEA SSS SAM L1

=> s l1 ful
FULL SEARCH INITIATED 15:08:08 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -       92 TO ITERATE

100.0% PROCESSED       92 ITERATIONS                               81 ANSWERS
SEARCH TIME: 00.00.01

L3           81 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                    ENTRY    SESSION
FULL ESTIMATED COST                                166.94     167.15

FILE 'CAPLUS' ENTERED AT 15:08:11 ON 28 APR 2006
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FILE COVERS 1907 - 28 Apr 2006  VOL 144 ISS 19
FILE LAST UPDATED: 27 Apr 2006  (20060427/ED)
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http://www.cas.org/infopolicy.html

=> s l3
L4 7 L3

=> d abs fbib fhitstr 1-7

L4 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
AB A method of treating a condition comprises administering to a mammal in need of such treatment an effective amount of at least one bi- or tricyclic compound (Markush included), or a pharmaceutically acceptable isomer, salt, solvate or co-crystal form thereof. The condition is a cardiovascular or circulatory disease or condition, an inflammatory disease or condition, a respiratory tract or disease or condition, cancer, acute renal failure, astrogliosis, a fibrotic disorder of the liver, kidney, lung or intestinal tract, Alzheimer's disease, diabetes, diabetic neuropathy, rheumatoid arthritis, neurodegenerative disease, neurotoxic disease, systemic lupus erythematosus, multiple sclerosis, osteoporosis, glaucoma, macular degeneration, psoriasis, radiation fibrosis, endothelial dysfunction, a wound or a spinal cord injury, or a symptom or result thereof. Combination therapy with other therapeutically effective agents is also disclosed.
AN 2004:802569 CAPLUS
DN 141:289089
TI Methods of therapeutic use of thrombin receptor antagonists
IN Chackalamannil, Samuel; Xia, Yan; Veltri, Enrico P.; Chelliah, Mariappan V.; Wu, Wenxue; Graziano, Michael P.; Kosoglou, Teddy; Chintala, Madhu
PA USA
SO U.S. Pat. Appl. Publ., 40 pp., Cont.-in-part of U.S. Ser. No. 412,982.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 5

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	US 2004192753	A1	20040930	US 2003-705282		20031110
				US 2000-211724P	P	20000615
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	US 6645987	B2	20031111			
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LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
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NE, SN, TD, TG

US 2003-705282 A 20031110

PATENT FAMILY INFORMATION:

FAN 2001:923791

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PI	WO 2001096330	A2	20011220	WO 2001-US19025		20010613
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				US 2000-211724P	P	20000615
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	EP 1294714	A2	20030326	EP 2001-944492		20010613

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FAN 2003:855925

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AU 2003221932		A1	20031103	AU 2003-221932		20030414
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EP 1495018		A1	20050112	EP 2003-718393		20030414

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CN 1659162		A	20050824	CN 2003-813112		20030414
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JP 2005528406		T2	20050922	JP 2003-586149		20030414
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NO 2004004963		A	20041115	NO 2004-4963		20041115
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FAN 2004:633287

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	US 6645987	B2	20031111			
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	US 2004176418	A1	20040909	US 2004-755066		20040109
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	WO 2005030712	A2	20050407	WO 2004-US31495		20040923

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GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
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US 2003-671216 A 20030925

FAN 2004:739978

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	WO 2005070923	A1	20050804	WO 2005-US447		20050107

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US 2004-755066 A 20040109

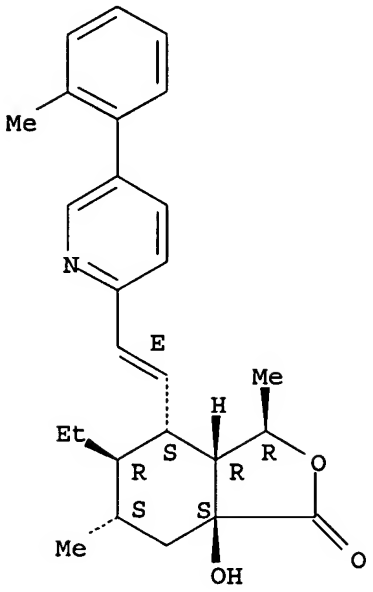
OS MARPAT 141:289089

IT **380893-83-4**
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(therapeutic use of thrombin receptor antagonists)

RN 380893-83-4 CAPLUS

CN 1(3H)-Isobenzofuranone, 5-ethylhexahydro-7a-hydroxy-3,6-dimethyl-4-[(1E)-2-[5-(2-methylphenyl)-2-pyridinyl]ethenyl]-, (3R,3aR,4S,5R,6S,7aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



L4 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Eleven title compds. are claimed. Thus, phosphonate (I) in THF at 0° was treated with BuLi and then with Ti(OiPr)4 followed by stirring at room temperature and addition of aldehyde (II) followed by stirring for 1.5 h to give 62% title compound (III). Title compds. inhibited thrombin receptor with IC50 = 1-1000 nM.

AN 2004:633287 CAPLUS

DN 141:174354

TI Preparation of nor-seco himbacine derivatives as thrombin receptor antagonists

IN Chackalamannil, Samuel; Chelliah, Mariappan V.; Xia, Yan

PA USA

SO U.S. Pat. Appl. Publ., 52 pp., Cont.-in-part of U.S. Pat. Appl. 2004 6,105.
CODEN: USXXCO

DT Patent

LA English

FAN.CNT 5

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WO 2005030712	A2	20050407		WO 2004-US31495		20040923

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				US 2003-671216	A	20030925

PATENT FAMILY INFORMATION:

FAN 2001:923791

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FAN 2003:855925

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FAN 2004:739978

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	US 2004176418	A1	20040909	US 2004-755066		20040109
				US 2000-211724P	P	20000615
				US 2001-880222	A2	20010613
				US 2002-373072P	P	20020416
				US 2003-412982	A2	20030414
				US 2003-671216	A2	20030925
				US 2003-705282	A2	20031110
	US 2002026050	A1	20020228	US 2001-880222		20010613
	US 6645987	B2	20031111			
				US 2000-211724P	P	20000615
	US 2003216437	A1	20031120	US 2003-412982		20030414
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				US 2001-880222	A3 20010613
				US 2003-457256	A2 20030609
	US 2004192753	A1	20040930	US 2003-705282	20031110
				US 2000-211724P	P 20000615
				US 2001-880222	A2 20010613
				US 2002-373072P	P 20020416
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	WO 2005070923	A1	20050804	WO 2005-US447	20050107
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				US 2004-755066	A 20040109

FAN 2004:802569

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PI US 2004192753	A1	20040930	US 2003-705282	20031110
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			US 2002-373072P	P 20020416
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US 6645987	B2	20031111		
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US 2003216437	A1	20031120	US 2003-412982	20030414
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			US 2000-211724P	P 20000615
			US 2001-880222	A2 20010613
			US 2002-373072P	P 20020416
			US 2003-412982	A2 20030414
			US 2003-671216	A2 20030925
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WO 2005046688	A2	20050526	WO 2004-US37519	20041109
WO 2005046688	A3	20050929		
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			US 2003-705282	A 20031110

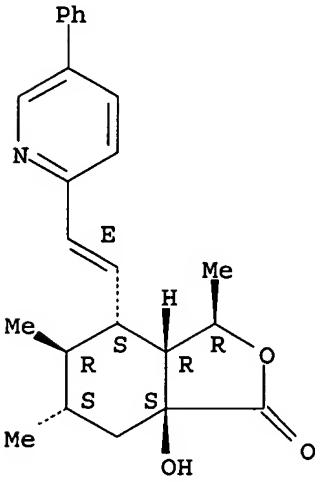
OS MARPAT 141:174354

IT **735287-83-9P**

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(claimed compound; preparation of nor-seco himbacine derivs. as thrombin receptor antagonists)
RN 735287-83-9 CAPLUS
CN 1(3H)-Isobenzofuranone, hexahydro-7a-hydroxy-3,5,6-trimethyl-4-[(1E)-2-(5-phenyl-2-pyridinyl)ethenyl]-, (3R,3aR,4S,5R,6S,7aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



L4 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Heterocyclic-substituted tricyclics I [B = alkylene, trans-alkenylene, alkynylene; Het = mono- or bicyclic heteroaryl; X = OH, (un)substituted NH2; XR10 = O, (un)substituted NH; X1 = (CH2)0-2; Y = O, S, H2, H,OH, H,alkoxy, H,SH; R1, R2 = H, cycloalkyl, (un)substituted alkyl, alkenyl; R3 = h, OH, alkoxy, halogen, (un)substituted alkyl, S(O)H, SO2H, CO2H, CONH2, alkenyl, cycloalkyl; R4, R7, R8 = R1, OR1; R5R6 = (un)substituted alkylene; R9 = H, OH, alkoxy; R10 = h, alkyl, (un)substituted NH2, OH] were prepared for use as thrombin receptor antagonists (no data). Thus, the naphthofuranone II [R11R12 = O] was reductively aminated and treated with ClCO2Et to give II [R11 = H, R12 = NHCO2Et].
AN 2003:855925 CAPLUS
DN 139:350626
TI Preparation of naphthofuran thrombin receptor antagonists
IN Chackalamannil, Samuel; Clasby, Martin C.; Greenlee, William J.; Wang, Yuguang; Xia, Yan; Veltri, Enrico P.; Chelliah, Mariappan
PA Schering Corporation, USA
SO PCT Int. Appl., 64 pp.
CODEN: PIXXD2
DT Patent
LA English

FAN.CNT 5

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PI	WO 2003089428	A1	20031030	WO 2003-US11510		20030414
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PATENT FAMILY INFORMATION:

FAN 2001:923791

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				WO 2001-US19025	W	20010613
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IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

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				WO 2001-US19025	W	20010613
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FAN 2004:633287

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FAN 2004:739978

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FAN 2004:802569

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			US 2003-671216	A2	20030925
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WO 2005046688	A2	20050526	WO 2004-US37519		20041109
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US 2003-705282 A 20031110

OS MARPAT 139:350626

IT **618386-43-9P**

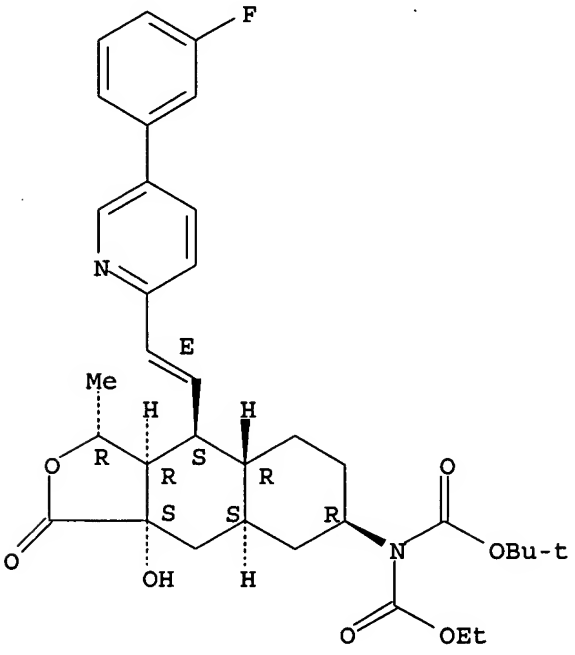
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of naphthofuran thrombin receptor antagonists)

RN 618386-43-9 CAPLUS

CN Imidodicarbonic acid, [(1R,3aS,4aS,6R,8aR,9S,9aR)-9-[(1E)-2-[5-(3-fluorophenyl)-2-pyridinyl]ethenyl]dodecahydro-3a-hydroxy-1-methyl-3-oxonaphtho[2,3-c]furan-6-yl]-, 1,1-dimethylethyl ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN

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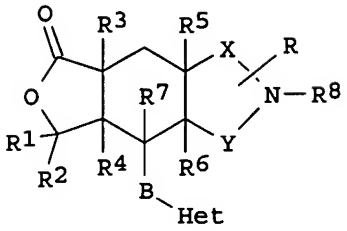

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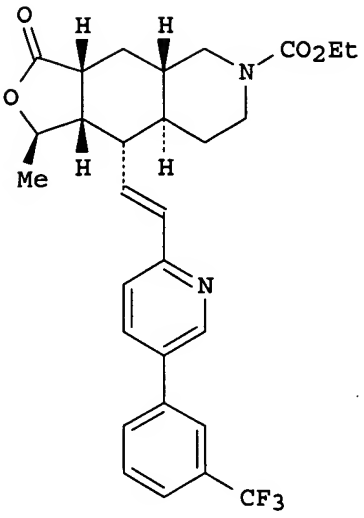

II

AB Heterocyclic-substituted tricyclics of formula I [R = H, alkyl, halo, OH, amino, aryl, etc.; R1-R7 = H, OH, alkyl, cycloalkyl, etc.; R8 = acyl, carboxy, amino, etc.; X = (CH2)n; Y = (CH2)m; n, m = 0-3; B = alkyl, (substituted) alkenyl; Het = (substituted) mono-, bi- or tricyclic heteroarom. group] are prepared for treating diseases associated with thrombosis, atherosclerosis, restenosis, hypertension, angina pectoris, arrhythmia, heart failure, and cancer. Pharmaceutical compns. containing I are described. Thus, II was prepared in several steps. The prepared compds. were found to have IC50 values from 1 to 2000 nM in in vivo antitumor tests against human breast carcinoma in nude mice.

AN 2003:319904 CAPLUS

DN 138:321428

TI Preparation of himbacine analogues as thrombin receptor antagonists

IN Chackalamannil, Samuel; Chelliah, Mariappan V.; Clasby, Martin C.; Xia, Yan

PA Schering Corporation, USA

SO PCT Int. Appl., 59 pp.
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2003033501	A1	20030424	WO 2002-US32936	20021016
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BR 2002013967	A	20050830	BR 2002-13967		20021016
			US 2001-330359P	P	20011018
			WO 2002-US32936	W	20021016
JP 2005529841	T2	20051006	JP 2003-536240		20021016
			US 2001-330359P	P	20011018
			WO 2002-US32936	W	20021016
ZA 2004002849	A	20050114	ZA 2004-2849		20040415
			US 2001-330359P	P	20011018
NO 2004002021	A	20040514	NO 2004-2021		20040514
			US 2001-330359P	P	20011018
			WO 2002-US32936	W	20021016

OS MARPAT 138:321428

IT **514202-92-7P**

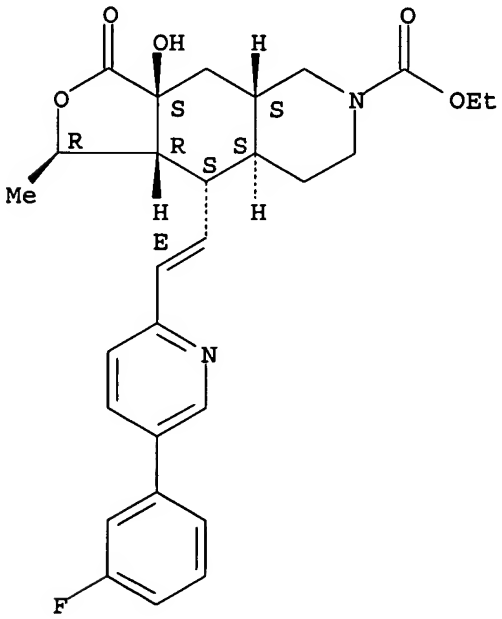
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of himbacine analogs as thrombin receptor antagonists)

RN 514202-92-7 CAPLUS

CN Furo[3,4-g]isoquinoline-6(3H)-carboxylic acid, 9-[(1E)-2-[5-(3-fluorophenyl)-2-pyridinyl]ethenyl]decahydro-3a-hydroxy-1-methyl-3-oxo-, ethyl ester, (1R,3aS,4aS,8aS,9S,9aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I [Z = alkyl, n = 0 - 2; R1-2 = H, alk(en)yl, (di/tri)fluoroalkyl, cycloalkyl, (hetero)aryl, etc.; R3 = H, OH, alkoxy, amino, sulfinyl, sulfonyl, carboxy, etc.; Het = mono-, bi- or tricyclic heteroarom. group of 5 - 14 atoms; R8,10-11 = R1, OR1 provided that when the optional double bond is present, R10 is absent; R9 = H, OH, alkoxy, halo(alkyl); B = alkyl(oxy/thio/amino), carboxamide, etc.; X = O, N- when the double dotted line is a single bond or X = H, OH, NH- when the bond is absent; Y = O, S, (H,H), (H,OH), etc.; R15 is absent when the double dotted line represents a single bond; R15 is H, alkyl, amino or alkoxy when the bond is absent; R22-23 = H, alk(en/yn)yl, heterocycloalkyl, aryl, etc.] were prepared Over 100 synthetic examples were disclosed. E.g., II was prepared in 4 steps and reduced to the triene (THF, Lindlar's catalyst, quinoline, 1 atm H2) and subsequently heated to give a homochiral Diels-Alder adduct (m-xylene, 185°C, 10 h). Debenzylation, olefin reduction (i. EtOAc, 10% Pd/C, H2, 5 h; ii. MeOH, PtO2, 50 psi H2, 2 days) afforded the corresponding carboxylic acid (35% yield from II) and was converted to aldehyde III (CH2Cl2, ClCOCOCl, DMF; Pd(PPh3)4, (n-Bu)3SnH, 0°C, 3 h) in 48% yield. III was coupled to substituted arylmethyl diethylphosphonates (THF, n-BuLi, Ti(OPr-i)4, 0°C - room temperature) to afford example compds.; e.g. IV. Certain example compds. of the invention had IC50 = 1 - 1000 nM for the thrombin receptor. I are useful for the treatment of atherosclerosis, restenosis, hypertension, arrhythmia, etc.

AN 2001:923791 CAPLUS
DN 136:37526
TI Synthesis of γ-lactone-alkyl-pyridines as thrombin receptor antagonists
IN Chackalamannil, Samuel; Chelliah, Mariappan; Xia, Yan
PA Schering Corporation, USA
SO PCT Int. Appl., 69 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 5

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	WO 2001096330	A2	20011220	WO 2001-US19025		20010613
	WO 2001096330	A3	20020613			
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	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
				US 2000-211724P	P	20000615
	CA 2410177	AA	20011220	CA 2001-2410177		20010613
				US 2000-211724P	P	20000615

				WO 2001-US19025	W	20010613
AU 2001066900		A5	20011224	AU 2001-66900		20010613
				US 2000-211724P	P	20000615
				WO 2001-US19025	W	20010613
EP 1294714		A2	20030326	EP 2001-944492		20010613
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR						
				US 2000-211724P	P	20000615
				WO 2001-US19025	W	20010613
BR 2001011991		A	20030401	BR 2001-11991		20010613
				US 2000-211724P	P	20000615
				WO 2001-US19025	W	20010613
JP 2004503551		T2	20040205	JP 2002-510472		20010613
				US 2000-211724P	P	20000615
				WO 2001-US19025	W	20010613
NZ 523075		A	20040528	NZ 2001-523075		20010613
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				WO 2001-US19025	W	20010613
NO 2002005965		A	20030214	NO 2002-5965		20021212
				US 2000-211724P	P	20000615
				WO 2001-US19025	W	20010613
ZA 2002010099		A	20040312	ZA 2002-10099		20021212
				US 2000-211724P	P	20000615

PATENT FAMILY INFORMATION:

FAN 2003:855925

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	WO 2003089428	A1	20031030	WO 2003-US11510		20030414
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	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
				US 2002-373072P	P	20020416
	CA 2482858	AA	20031030	CA 2003-2482858		20030414
				US 2002-373072P	P	20020416
				WO 2003-US11510	W	20030414
	AU 2003221932	A1	20031103	AU 2003-221932		20030414
				US 2002-373072P	P	20020416
				WO 2003-US11510	W	20030414
	EP 1495018	A1	20050112	EP 2003-718393		20030414
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				US 2002-373072P	P	20020416
				WO 2003-US11510	W	20030414
	BR 2003009309	A	20050215	BR 2003-9309		20030414
				US 2002-373072P	P	20020416
				WO 2003-US11510	W	20030414
	CN 1659162	A	20050824	CN 2003-813112		20030414
				US 2002-373072P	P	20020416
	JP 2005528406	T2	20050922	JP 2003-586149		20030414
				US 2002-373072P	P	20020416
				WO 2003-US11510	W	20030414
	NO 2004004963	A	20041115	NO 2004-4963		20041115
				US 2002-373072P	P	20020416

				WO 2003-US11510	W 20030414

FAN 2004:633287

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004152736	A1	20040805	US 2003-671216	20030925
				US 2000-211724P	P 20000615
				US 2001-880222	A3 20010613
				US 2003-457256	A2 20030609
	US 2002026050	A1	20020228	US 2001-880222	20010613
	US 6645987	B2	20031111		
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	US 2004006105 ✓	A1	20040108	US 2003-457256	20030609
	US 6894065 ✓	B2	20050517		
				US 2000-211724P	P 20000615
				US 2001-880222	A3 20010613
	US 2004176418	A1	20040909	US 2004-755066	20040109
				US 2000-211724P	P 20000615
				US 2001-880222	A2 20010613
				US 2002-373072P	P 20020416
				US 2003-412982	A2 20030414
				US 2003-671216	A2 20030925
				US 2003-705282	A2 20031110
	WO 2005030712	A2	20050407	WO 2004-US31495	20040923

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

				US 2003-671216	A 20030925

FAN 2004:739978

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PI	US 2004176418	A1	20040909	US 2004-755066	20040109
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				US 2003-412982	A2 20030414
				US 2003-671216	A2 20030925
				US 2003-705282	A2 20031110
	US 2002026050 ✓	A1	20020228	US 2001-880222	20010613
	US 6645987 ✓	B2	20031111		
				US 2000-211724P	P 20000615
	US 2003216437	A1	20031120	US 2003-412982	20030414
				US 2002-373072P	P 20020416
	US 2004152736	A1	20040805	US 2003-671216	20030925
				US 2000-211724P	P 20000615
				US 2001-880222	A3 20010613
				US 2003-457256	A2 20030609
	US 2004192753	A1	20040930	US 2003-705282	20031110
				US 2000-211724P	P 20000615
				US 2001-880222	A2 20010613
				US 2002-373072P	P 20020416
				US 2003-412982	A2 20030414

WO 2005070923 A1 20050804 WO 2005-US447 20050107
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
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US 2004-755066 A 20040109

FAN 2004:802569

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI US 2004192753	A1	20040930	US 2003-705282		20031110
			US 2000-211724P	P	20000615
			US 2001-880222	A2	20010613
			US 2002-373072P	P	20020416
			US 2003-412982	A2	20030414
US 2002026050	A1	20020228	US 2001-880222		20010613
US 6645987	B2	20031111			
			US 2000-211724P	P	20000615
US 2003216437	A1	20031120	US 2003-412982		20030414
			US 2002-373072P	P	20020416
US 2004176418	A1	20040909	US 2004-755066		20040109
			US 2000-211724P	P	20000615
			US 2001-880222	A2	20010613
			US 2002-373072P	P	20020416
			US 2003-412982	A2	20030414
			US 2003-671216	A2	20030925
			US 2003-705282	A2	20031110
WO 2005046688	A2	20050526	WO 2004-US37519		20041109
WO 2005046688	A3	20050929			

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RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
US 2003-705282 A 20031110

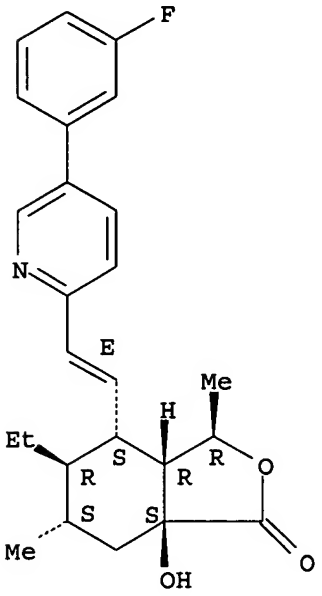
OS MARPAT 136:37526

IT **380893-82-3P**
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug; synthesis of γ-lactone-alkyl-pyridines as thrombin receptor antagonists)

RN 380893-82-3 CAPLUS

CN 1(3H)-Isobenzofuranone, 5-ethyl-4-[(1E)-2-[5-(3-fluorophenyl)-2-pyridinyl]ethenyl]hexahydro-7a-hydroxy-3,6-dimethyl-, (3R,3aR,4S,5R,6S,7aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



L4 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

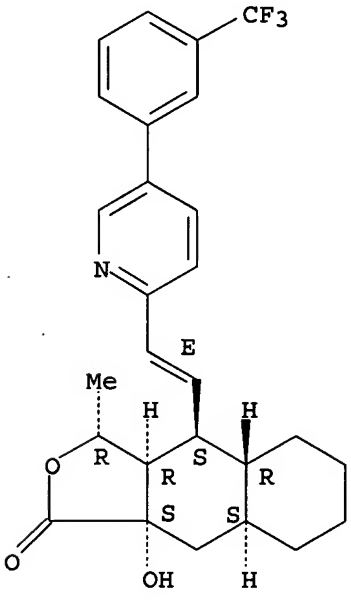
AB Heterocyclic-substituted tricyclics of the formula (I) [single dotted line represents an optional double bond; double dotted line represents an optional single bond; n = 0-2; Q =(un)substituted cycloalkyl, heterocycloalkyl, aryl or heteroaryl; Het = (un)substituted mono-, bi- or tricyclic heteroarom. group; B = -(CH2)n3-, wherein n3 is 0-5, -CH2-O-, -CH2S-, -CH2-NR6-, -C(O)NR6-. -NR6C(O)-, etc.; X = -O- or -NR6- when the double dotted line represents a single bond, or X is -OH or -NHR20 when the bond is absent; Y = =O, =S, (H, H), (H, OH) or (H, alkoxy) when the double dotted line represents a single bond, or when the bond is absent, Y =O, (H, H), (H, OH), (H, SH) or (H, C1-C6 alkoxy); R15 is absent when the double dotted line represents a single bond and is H, -NR18R19, or -OR17 when the bond is absent; or Y = -O-(CH2)m-O- or -S-(CH2)m-S-, m = 1-2; and R15, R17, R18, R19 = H or alkyl, aryl etc.] or a pharmaceutically acceptable salt were synthesized. Thus (II) was prepared starting from (R)-3-butyn-2-ol and via condensation of fragment (III) and [5-[3-(trifluoromethyl)phenyl]-2-pyridinyl]methyl-phosphonic acid di-Et ester. II shows an IC50 of 0.11 nM in in vitro thrombin receptor antagonist assay. Phamaceutical compns. containing I as well as method of treating diseases associated with thrombosis, atherosclerosis, restenosis, hypertension, angina pectoris, arrhythmia, heart failure, and cancer are described.
AN 2000:323253 CAPLUS
DN 132:334655

TI preparation of himbacine analogs as thrombin receptor antagonists
IN Chackalamannil, Samuel; Asberom, Theodros; Xia, Yan; Doller, Dario; Clasby, Martin C.; Czarniecki, Michael F.
PA Schering Corp., USA
SO U.S., 161 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	US 6063847	A	20000516	US 1998-197442		19981123
				US 1997-66518P	P	19971125
	US 6326380	B1	20011204	US 2000-545720		20000407
				US 1997-66518P	P	19971125
				US 1998-197442	A3	19981123

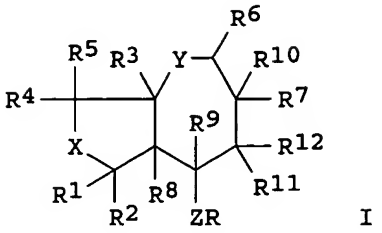
OS MARPAT 132:334655
IT **226914-44-9P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of himbacine analog as thrombin receptor antagonists)
RN 226914-44-9 CAPLUS
CN Naphtho[2,3-c]furan-1(3H)-one, decahydro-9a-hydroxy-3-methyl-4-[(1E)-2-[5-[3-(trifluoromethyl)phenyl]-2-pyridinyl]ethenyl]-, (3R,3aR,4S,4aR,8aS,9aS)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.



RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
GI



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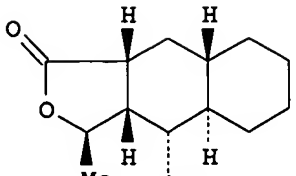

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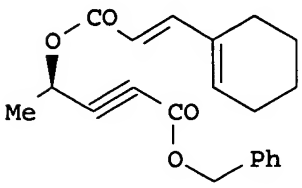

III

AB Himbacine analogs I [R = heteroaryl, such as pyridinyl, quinolinyl, isoquinolinyl, etc; R1, R2, R8, R10, R11 = H, alkyl, fluoroalkyl, cycloalkyl, alkenyl, aryl, heteroaryl, etc.; R3 = H, OH, alkoxy, alkylsulfinyl, alkylsulfonyl, alkyl, carboxyl, carbamido, aryl, etc.; R4, R5 = H, OH, alkyloxy, alkyl, amino, etc.; R4R5 = O, S; R6 = H; R6R10 = bond; R7R12 = fused alicyclic, fused aryl, fused heteroaryl, etc.; R9 = H, OH, alkoxy, halogen, haloalkyl; X = O, NR13; R13 = H, alkyl, Ph, etc.; Y = (CH2)n, n = 0 - 2; Z = connecting group, such as CH:CH, CH2CH2, CH2O, CH2S, CH2NH, CONH, etc.] were prepared for use as thrombin receptor antagonists for the treatment of diseases associated with thrombosis, atherosclerosis, restenosis, hypertension, angina pectoris, arrhythmia, heart failure, and cancer. Thus, lactone II was prepared starting from (R)-3-butyn-2-ol, trans-3-(1-cyclohexenyl)acrylic acid, and 6-hydroxyquinaldine via the formation and intramol. cycloaddn. of diester III. The prepared compds. were tested for thrombin receptor binding, platelet aggregation and antitumor activity.

AN 1999:355771 CAPLUS

DN 131:32085

TI Preparation of himbacine analogs for use as thrombin receptor antagonists

IN Chackalamannil, Samuel; Asberom, Theodros; Xia, Yan; Doller, Dario; Clasby, Martin C.; Czarniecki, Michael F.

PA Schering Corporation, USA

SO PCT Int. Appl., 134 pp.
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9926943	A1	19990603	WO 1998-US24523	19981123

W: AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CZ, EE, GD, GE, HR, HU, ID, IL, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,

CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

			US 1997-977979	A 19971125
CA 2309352	AA	19990603	CA 1998-2309352	19981123
CA 2309352	C	20050125		
			US 1997-977979	A 19971125
			WO 1998-US24523	W 19981123
AU 9914158	A1	19990615	AU 1999-14158	19981123
AU 747204	B2	20020509		
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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, LT, LV, FI, RO				
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PT 1036072	T	20040831	PT 1998-958039	19981123
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OS MARPAT 131:32085

IT **226914-44-9P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of himbacine analogs for use as thrombin receptor antagonists)

RN 226914-44-9 CAPLUS

CN Naphtho[2,3-c]furan-1(3H)-one, decahydro-9a-hydroxy-3-methyl-4-[(1E)-2-[5-[3-(trifluoromethyl)phenyl]-2-pyridinyl]ethenyl]-, (3R,3aR,4S,4aR,8aS,9aS)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.
Double bond geometry as shown.